

Work Order ID 157930

Wednesday, March 22, 2017 9:55:51 AM

157930

Page 1

Item ID: 650.5103 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: AFT LH Complete 15 PAX Assembly (3G9560V06231)
 Start Date: 3/24/2017 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 3/24/2017 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan:  Date: MAR 22 2017 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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100		0.00							
100									
Purchasing	Memo	0.00							
Purchasing	Issue PO 34518 								

110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo 	0.00							
Packaging									

120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo 	0.00							
Quality Control									

S/N 16001
 50128745-1

1X 8017-0322

 DAS
 16
 9-89
 17/03/22

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 157930***157930***

Page 2

Wednesday, March 22, 2017 9:55:51 AM

Item ID: 650.5103 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AFT LH Complete 15 PAX Assembly (3G9560V06231)
Start Date: 3/24/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 3/24/2017 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>skip</u>	0.00							
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

*inf 17-3-23**17/3/23**inf 17-3-23*

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____			

Picklist Print

Wednesday, March 22, 2017 9:55:55 AM

Page 1
T

Work Order ID: 157930

157930

Parent Item: 650.5103

650 5103

Parent Item Name: AFT LH Complete 15 PAX Assembly (3G9560V06231)

Start Date: 3/24/2017

Required Date: 3/24/2017

Start Qty: 1.00

Required Qty: 1.00

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
650.5103P		Purchased			No		Each	0.0000		1			
650 5103P									**				
AFT LH Complete 15 PAX Assembly (3G9560V06231)													

1x 8P17-03-22

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

LEONARDO HELICOPTERS		Supplier Concession				PAGE 1 of 2	PLANT Leonardo Helic. - Vergiate	
Supplier NC N.	M25484/01	Date	15.03.2017	AW Concession	400000062611	Purchase Order	4801388096	
P/N	3G9560V06231			Grade/Category	NC J	Drawing Issue		
Part Description	AFT LH COMPLETE 15 PAX ASSY			Batch Quantity	1,000	Defective Quantity	1,000	
AW NC	GUIDO BRUSCINO					A/C Type/Model	XXX	
Supplier	DART AEROSPACE LTD					Contract		
Defect MA06 - Past due material - * 15.03.2017 09:12:51 GUIDO BRUSCINO (40067) * see supplier document attached Cause of Defect								
					Repetitiveness (same P/N - Defect Code) NO ☒ YES ☐			
ENGINEERING Evaluation and Proposal								
Engineering Evaluations, including Specialist Inputs: * 15.03.2017 09:33:41 PIETRO PONTI (10616) * USE AS IS				Investigation Report n.		Compliance Report n.		
Classification of Deviation from Type Design i.a.w. EASA Part 21A.91 : Non applicable								
Defect effect					Limitations			
	Before Repair		After Repair					
Safety	☐ YES	☐ YES	☐ YES	☐ NO	☐ YES (to specificity) ☒ NO			
Life or Duration	☐ YES	☐ YES	☐ YES	☐ NO				
Strenght	☐ YES	☐ YES	☐ YES	☐ NO				
Performances	☐ YES	☐ YES	☐ YES	☐ NO				
Interchangeability	☐ YES	☐ YES	☐ YES	☐ NO				
Reliability	☐ YES *	☐ YES	☐ YES	☐ NO				
Maintainability	☐ YES	☐ YES	☐ YES	☐ NO				
Installability	☐ YES	☐ YES	☐ YES	☐ NO				
Testability	☐ YES	☐ YES	☐ YES	☐ NO				
Only Appearance	☐ YES	☐ YES	☐ YES	☐ NO				
No Effect	☐ YES							
Repair Proposal:					Decision ☐ Use rep. with spec.repair(not yet applied) ☐ Use repaired with known repair(yet applied) ☒ Use As Is ☐ Use repaired for tests only(see Limitations) ☐ Use As Is for tests only(see Limitations) ☐ Scrap			
Concession Classification		☐ MAJOR ☒ MINOR		Re-submit after Repair		☐ YES ☒ NO		
Mark part with Concession		☒ NO ☐ YES		Method :				
ATE	PIETRO PONTI		CPE			Date	15.03.2017	
Checks and tests to be performed								
Repair registration		with repair WO ☐ Number:						
Repair Evaluation:								
Final Decision								
S/N	Use As Is (UTI)	Use Repaired (R/L)	Scrap (SCA)	S/N	Use As Is (UTI)	Use Repaired (R/L)	Scrap (SCA)	
16001	☒	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
	☐	☐	☐		☐	☐	☐	
Not Serialized	Use As Is (Q.ty)	1,000	Use Repaired (Q.ty)		Scrap (Q.ty)			
Role	AW ATE	AW CPE	Inspection Clearance Repair	Quality	Customer	MoD or Authority Representative		
Signature	PIETRO PONTI			GUIDO BRUSCINO				
Date	15.03.2017			15.03.2017				



Supplier Concession

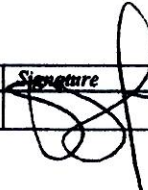
PAGE
2 of 2

PLANT
Leonardo Helic. - Vergiate

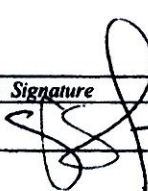
Supplier NC N.	M25484/01	Date	15.03.2017	AW	400000062611	Purchase Order	4801388096
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 AgustaWestland Airbus Helicopters		CONCESSION				Pag. 1 of 2	
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Manuf. Doc. N.	M25484	Date	03-14-2017	AW Doc. N.		Purchase Order	4801388096
AW P/N	3G9560V06231	S/N / Batch Number	16001	Grade		AW Drawing Issue	A
Description	AFT LH Complete 15 PAX Assembly			Batch Q.ty	1	Defective Q.ty	1
Manufacturer	Dart Aerospace			Model	AW139		

Defect(s) Description			
Liferaft P/N 3G2560V01351 (650.4101 S/N 16001) installed on 3G9560V06231 has been assembled with material that should have been manufactured not more than 18 months prior to the date of delivery. Per DA139ATP-3 Section 5.7 Material Check. The following materials are: -Yellow material P/N 600.0110 was manufactured in July 2015 and exceeds 18 months. Currently is at 20 months. -Canopy assembly P/N 650.5502: Orange material P/N 600.0059 was manufactured in August 2014. Exceeds 18 months. Currently is at 31 months.			
Department		Inspector	Signature
Quality		Luis Lopez	
			Date
			03-14-2017

Defect(s) Cause			
Fabrication of liferaft started in June 2016			
Department		Inspector	Signature
Quality		Luis Lopez	
			Date
			03-14-2017

Corrective Action			
Not taken. Request to use as is.			
Department		Inspector	Signature
Quality		Luis Lopez	
			Date
			03-14-2017

For "MANUFACTURER" SUPPLIERS ONLY
ENGINEERING evaluation and proposal

Engineering evaluation

Investigation report

n.

Compliance report

n.

Defect effects			Limitations
	Before any repair	After any repair	
	☐ yes	☐ yes ☐ no	☐ yes (specify) ☐ no
Safety	☐ yes	☐ yes ☐ no	
Life	☐ yes	☐ yes ☐ no	
Strength	☐ yes	☐ yes ☐ no	
Performances	☐ yes	☐ yes ☐ no	
Interchangeability	☐ yes	☐ yes ☐ no	
Reliability	☐ yes	☐ yes ☐ no	
Maintainability	☐ yes	☐ yes ☐ no	
Installability	☐ yes	☐ yes ☐ no	
Testability	☐ yes	☐ yes ☐ no	
Only aspect	☐ yes	☐ yes ☐ no	
Repair Proposal			Decision to use ☐ Use repaired with specific repair ☐ Use repaired with known repair ☐ Use as is ☐ Use repaired for tests (see Limitations) ☐ Use as is for tests (see Limitations) ☐ Scrap
Concession Classification	☐ Major ☐ Minor	Submit after repair	☐ yes ☐ no

Apical Industries, Inc. dba Dart Aerospace
CERTIFICATE OF CONFORMITY

3030 Enterprise Court Suite A
Vista, CA 92081
760-724-5300

SITA
ORIGINAL

Shipping Order No: 19915

Bill To: DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7	Ship To: DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON, CANADA K6A 1K7 CUST PO# SO128745/4801388096
--	---

Customer PO	Ship Date	Order Date
PO34518	3/20/2017	3/20/2017

Part No.	Description	Serial Number	Cond	Qty	S/L	Control #
650.5103	AFT LH COMPLETE 15 PAX ASSY	16001	NE	1	3	185361-1

This is to certify that the items identified herein have been manufactured, assembled, inspected and/or tested in accordance with all Apical Industries, Inc. applicable specifications, drawings and other purchase order requirements.

Signed:

For and on behalf of Apical Industries, Inc. Quality Assurance



Inspectors Stamp:

Packing List

No: 19915

Ship To:

**DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, CANADA K6A 1K7
CUST PO# SO128745/4801388096**

Part No.	Description	Serial Number	Cond	Qty	Qty B/O
650.5103	AFT LH COMPLETE 15 PAX ASSY	16001	NE	1	0

Condition: NE - New



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO34518**

Purchase Order Date 12/02/16

PO Print Date 12/02/16

Page Number 1 of 1

Order From :
APICAL INDUSTRIES
3030 ENTREPRISE COURT SUITE A
VISTA, CA 92081-8347
USA

VU-API001

Ship To : LEONARDO S.P.A(CAGUS03)
VERGIATE VIA ROMA 51
VERGIATE, 21029 VA
ITALY

Contact Name		Buyer	Chantal Chartrand
Vendor Phone	760 509 1615	Customer POID	4801388096
		Customer Tax #	
Ship To Contact	ANTONELLA DILUCA	Terms	Net 30
Ship To Phone	0331/943327	Currency	USD
Ship Via:	DHL Express Worldwide	FOB	EXW - (Ex Works)
Ship Acct:	955489235		

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	List Price	Disc %	Discounted Unit Price	Extended Price
1	650.5103 (3G9560V06231)	AFT LH Complete 15 PAX Assembly (3G9560V06231)	03/02/17	FN	1.00	\$43,150.00	0.00%	\$43,150.00	\$43,150.00

No Each

* ALL AIRWORTHY PRODUCTS REQUIRE AN FAA 8130-3
AND / OR C OF C
* DO NOT INSURE SHIPMENT
* DO NOT SHIP ORDER EARLY
LINE ITEM 10

Drawing Exponent B

SP17-03-21

Line Total: \$43,150.00

PO Total: \$43,150.00

PO Instructions: CAITLIN - GOODS UP TO 70KG- DHL EXPRESS word wide, acct #955489235
PLEASE REFER TO OEM PO FOR QUALITY REQUIREMENTS, TERMS & CONDITIONS
Your packing list/delivery documents and invoices shall indicate the Country of Origin/made in of the goods.
Contract DMA AWIT-AW139-025/14 signed by the Parties shall apply to this Purchase Order.

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 3

Change Date: 12/02/16



DART Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 1-613-632-3336 Fax: 1-613-632-4443
sales@dartaero.com

Sales Order Acknowledgment

Sales Order ID : **SO128745**
Customer Purchase Order ID : 4801388096
Page Number : 1 of 1
Prepared By : Chantal Chartrand

Bill To : CAGUS03
LEONARDO S.P.A
PIAZZA MONTE GRAPPA 4
ROME, ROME 00195
ITALY

Ship To :
LEONARDO S.P.A
VERGIATE VIA ROMA 51
VERGIATE 21029 VA
ITALY

Change Nbr: 3
Change Date: 03/07/17

Order Date: 12/02/16 2:02:30 PM
Partial Ship: No
Buyer: ANTONELLA DILUCA
Ship Via: DHL Express Worldwide
Ship Acct #: 955489235
Contact Name: ANTONELLA DILUCA

FOB: Ex Works DART Aerospace
Currency Type : USD
AR Terms: Net 30
Prepayment Terms:
Ship To Phone: 0331/943327
Email: antonella.diluca@leonardocompany.com

Line Nbr /	Item ID/ Name Item Name	Req Date Promise Date	Taxable Sales	CD	Req Qty	Unit Price Unit of	Discount %	Discounted Unit Price	Extended Price
Line Comments						Sale Tax Percent			
1	650.5103 (3G9560V06231) AFT LH Complete 15 PAX Assembly (3G9560V06231) * ALL AIRWORTHY PRODUCTS REQUIRE AN FAA 8130-3 AND / OR C OF C * DO NOT INSURE SHIPMENT	03/17/17 03/17/17	No 0.00%	FN	1.0000	\$43,150.0000 Each 0.00%	0.00%	\$43,150.0000	\$43,150.00
LINE ITEM 10									

Line Item Total: \$43,150.00

Total:	\$43,150.00
Sales Tax:	\$0.00
Sales Order Total:	\$43,150.00

Special CAITLIN - GOODS UP TO 70KG- DHL EXPRESS word wide, acct #955489235 **The parts are shipping here HBY under PO34518 to be
Instructions: inspected and have ARC's provided. Please notify PAT SMITH when they are received.**
PLEASE REFER TO OEM PO FOR QUALITY REQUIREMENTS, TERMS & CONDITIONS
Your packing list/delivery documents and invoices shall indicate the Country of Origin/made in of the goods.
Contract DMA AWIT-AW139-025/14 signed by the Parties shall apply to this Purchase Order.

Note: DART hereby offers for consideration of purchase the above items at the above stated pricing
Approved: _____

Apical Industries, Inc. dba Dart Aerospace

Packing List

3030 Enterprise Court, Suite A
Vista, CA 92081
760-724-5300

No: 19915

Bill To:

Ship To:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, CANADA K6A 1K7
CUST PO# SO128745/4801388096

Customer PO	Ship Date	Order Date	Tracking Number
PO34518	3/20/2017	3/20/2017	

Part No.	Description	Serial Number	Cond	Qty	Qty B/O
650.5103	AFT LH COMPLETE 15 PAX ASSY	16001	NE	1	0
SP170022					

Condition: NE - New